

In re Application of: HERSHFIELD et al.
Serial No. 09/762,097

Figure 7. Comparison of amino acid sequences of PBC (SEQ ID NO:2) and PKS (SEQ ID NO:4).

Figure 8. Comparison of amino acid sequences of PBC (SEQ ID NO:2) and pig (SEQ ID NO:7) uricase.

Figure 9. Comparison of amino acid sequence of pig uricase (SEQ ID NO:7) and D3H (SEQ ID NO:5).

Figure 10. Comparison of amino acid sequences of PBC (SEQ ID NO:2) and D3H (SEQ ID NO:5).

Figure 11-1 and 11-2. Bestfit (GCG software) comparison of coding sequences of the cDNAs of PKS (SEQ ID NO:3) and pig (SEQ ID NO:12) uricase.

Figure 12-1 and 12-2. Bestfit (GCG software) comparison of coding sequences of the cDNAs of PKS (SEQ ID NO:3) and baboon (SEQ ID NO:13) uricase.

Figure 13-1 and 13-2. Bestfit (GCG software) comparison of coding sequences of the cDNAs of PBC (SEQ ID NO:1) and pig (SEQ ID NO:12) uricase.

Figure 14-1 and 14-2. Bestfit (GCG software) comparison of coding sequences of the cDNAs of PBC (SEQ ID NO:1) and baboon (SEQ ID NO:13) uricase. --

Insert the attached Sequence Listing for filed in the International Stage on February 15, 2002 and November 19, 1999.

REMARKS

Reconsideration is requested.

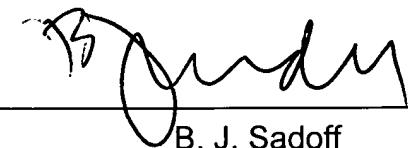
The specification has been amended to include sequence identifiers, as suggested by the Examiner, and a revised Sequence Listing, which includes the pig DNA sequence of, for example, Figures 11 and 13, as SEQ ID NO: 12, and the baboon DNA of, for example, Figures 12 and 14, as SEQ ID NO: 13. The attached paper and computer readable copies o the Sequence Listing are the same. No new matter has been added. A separate Statement o this effect is attached.

An early and favorable Action on the merits of all the claimed subject matter is requested.

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Respectfully submitted,

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MARKED UP COPY OF SPECIFICATION AMENDMENTS

Delete the paragraphs spanning page 8, line 30 to page 9, line 13, and insert the following therefor:

--Figure 5 shows the deduced amino acid sequences of pig-baboon chimeric uricase (PBC uricase) (SEQ ID NO:2) and porcine uricase containing the mutations R291K and T301S (PKS uricase) (SEQ ID NO:4), compared with the porcine (SEQ ID NO:7) and baboon (SEQ ID NO:6) sequences.

Figure 6. Comparison of amino acid sequences PKS (SEQ ID NO:4) and pig (SEQ ID NO:7) uricase.

Figure 7. Comparison of amino acid sequences of PBC (SEQ ID NO:2) and PKS (SEQ ID NO:4).

Figure 8. Comparison of amino acid sequences of PBC (SEQ ID NO:2) and pig (SEQ ID NO:7) uricase.

Figure 9. Comparison of amino acid sequence of pig uricase (SEQ ID NO:7) and D3H (SEQ ID NO:5).

Figure 10. Comparison of amino acid sequences of PBC (SEQ ID NO:2) and D3H (SEQ ID NO:5).

Figure 11-1 and 11-2. Bestfit (GCG software) comparison of coding sequences of the cDNAs of PKS (SEQ ID NO:3) and pig (SEQ ID NO:12) uricase.

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Figure 13-1 and 13-2. Bestfit (GCG software) comparison of coding sequences of the cDNAs of PBC (SEQ ID NO:1) and pig (SEQ ID NO:12) uricase.

Figure 14-1 and 14-2. Bestfit (GCG software) comparison of coding sequences of the cDNAs of PBC (SEQ ID NO:1) and baboon (SEQ ID NO:13) uricase.--